TCP/IP FUNDAMENTALS
THREE DAYS

Prerequisites

This course is intended for those who have a basic understanding of computers and computer networking. An understanding of computer numbering systems (binary and hex) is helpful.

Who Should Attend

TCP/IP users, programmers, network administrators, and network managers who need a thorough understanding of TCP/IP. Network managers who will be connecting to the Internet. Client/server application developers and managers who will be using TCP/IP.

Course Description

TCP/IP Fundamentals provides students with a comprehensive understanding of TCP/IP. This hands-on course introduces the student to the TCP/IP network architecture, the rich set of applications typically available with a TCP/IP network, TCP/IP addressing and naming, TCP/IP routing, managing the TCP/IP network with SNMP, the many services available on the Internet and TCP/IP applications programming. This course covers all of the major TCP/IP protocols in detail. Upon course completion, students will be able to select an appropriate TCP/IP implementation, configure TCP/IP on the host, use TCP/IP facilities to transfer files, logon to a remote host, send mail, use Internet services, analyze TCP/IP traces, determine message errors, understand TCP/IP network management, choose the appropriate TCP/IP Application Programming Interface (API) for the client/server application and retrieve information from the Internet.

Note: This course can be presented in 2 formats:
   1.)   A hands-on workshop in which students actively participate in the lab exercises as listed on page 3; or,
   2.)   A lecture class with an instructor demonstration of TCP/IP configuration on a PC and connecting to the Internet.